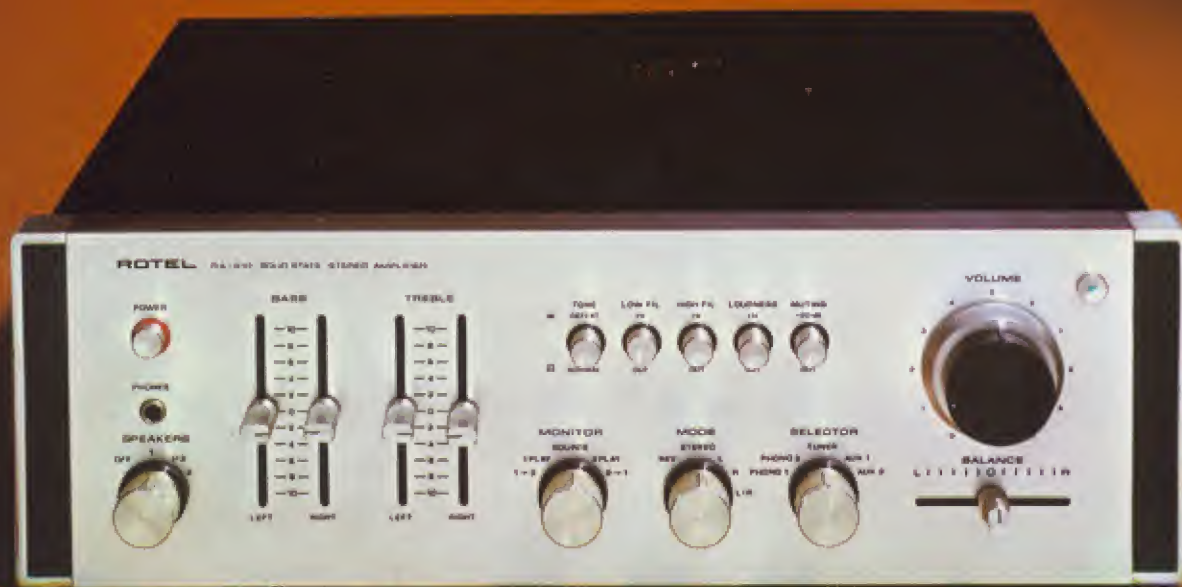


# ROTEL®

£147-17  
**RA-810**

STEREO PRE-MAIN  
AMPLIFIER



HERE is the RA-810 probably one of the most versatile, most professional stereo pre-main amplifiers ever developed. Possessing an abundant 180 watts music power, the specially designed split power supply drives almost any quality speakers stably and smoothly. The direct coupling circuitry incorporated ensures an excellent frequency response and negligible IM distortion. The transistors used are

all long-life, low-noise silicon types that give the RA-810 its superb S/N and extended dynamic range. Note that a wide 5 to 50,000Hz power bandwidth and total harmonic distortion of 0.3% or less are also achieved by this highly advanced equipment. Naturally the controls and the connection facilities are just as awesome. Most of all, see the RA-810 in actual, and find out its personality yourself.

**ROTEL®**

# RA-810

## SPECIAL FEATURES

- ★ All long-life, low-noise Silicon Transistors.
- ★ Direct Coupling Circuitry.
- ★ Split Power Supply.
- ★ A high power output of 180 watts music power at 4 ohms, and RMS continuous power of 40 watts both channels driven at 8 ohms with 0.5% THD.
- ★ Specially designed protection circuits to prevent damages to your speakers and to the amplifier.
- ★ Separable Pre-Amp and Main-Amp sections for many versatile uses.
- ★ 3-stage Direct Coupled Pre-amplifier.
- ★ Usage of 2 pairs of speaker systems, one pair at a time or simultaneously at the same time.
- ★ Facility for two tape recorders, with monitoring and dubbing features.
- ★ Facility for two record players, with switchable input sensitivities and impedances for one of them to match characteristics of your cartridge.
- ★ Facilities for a stereo tuner, two auxiliary inputs for such as another tape recorder and 8-track tape player.
- ★ Facility for two Tape Din Jacks.
- ★ Facility for 3 AC Outlets.
- ★ Long-stroke Slide Tone Controls, convenient for precise and effective tone adjustments.
- ★ Volume Control, Selector Control, Mode Control, Monitor Control, Speaker Selection Control and Balance Slide Control.
- ★ "Push-Push" type switches for Muting, Loudness, High and Low Filters, Tone and Power.
- ★ A Power Indicator Lamp for easy visual indication.
- ★ A front panel Headphone Jack for private listening.

## SPECIFICATIONS

### Power Amplifier Section

Total Music Power (IHF)	180 watts at 4 ohms 125 watts at 8 ohms
Continuous Power (RMS)	60 watts/channel at 4 ohms 40 watts/channel at 8 ohms
Harmonic Distortion	less than 0.3%, 20 to 20,000Hz at 40w/ch
Intermodulation Distortion	0.1% at 40w/ch
Frequency Response	4 to 75,000Hz, +0db -3db
Power Bandwidth (IHF)	5 to 50,000Hz at 8 ohms
Input Sensitivity/Impedance	1V/30k ohms
Damping Factor	35 at 8 ohms
Speaker Impedance	4 to 16 ohms

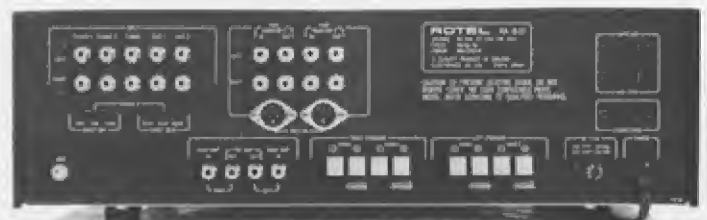
### Pre-Amplifier Section

Output Voltage	1V (rated), 3V (maximum)
Harmonic Distortion	less than 0.1% at rated output voltage
Frequency Response	3 to 50,000Hz, +0db -3db
Hum and Noise:	
PHONO 1, PHONO 2	65db
TUNER, AUX1, AUX2, TAPE IN	75db
Residual Noise	1.5mV
Input Sensitivity/Impedance:	
PHONO 1	2mV/100K ohms
PHONO 2	2, 4, 8mV/30k, 50k, 100k ohms
TUNER, AUX1, AUX2, TAPE IN	200mV/45 ohms
TAPE DIN	330mV/100k ohms
Phono Equalizer	EEF type, RIAA $\pm 0.5$ db 50 to 15,000Hz
Phono Overload	125mV
Loudness Switch	+10db at 50Hz, +6db at 10,000Hz

High Filter	-10db at 10KHz
Low Filter	-10db at 50Hz
Muting Switch	-20db at 1,000Hz
Bass Control	$\pm 10$ db at 50Hz
Treble Control	$\pm 10$ db at 10,000Hz
Crosstalk	43db at 1,000Hz
Square Wave Risetime	5 microseconds

### Miscellaneous

Power Requirements	100, 117, 220, 240V 50/60Hz
Power Consumption	150 watts (maximum)
Dimensions	420mm(W) x 304mm(D) x140mm(H), 16 1/4" x 12" x 5 1/2"
Weight	10kg/22lbs



Note: Features and specifications subject to change without notice.